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DEPARTMENT OF NATURAL RESOURCES
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February 14, 1989

TO: John Whitehead, Permit Supervisor

FROM: Brent Stettler, Reclamation Biologist *Brent*

RE: Mid-Term Response, Co-Op Mining Company, Bear Canyon Mine, ACT/015/025, Folder #2, Emery County, Utah

On January 9, 1989, I commented on Co-Op Mining Company's (Co-Op) December 30, 1988 mid-term response. Co-Op has not yet responded to these comments, and must do so.

The following comments apply to Co-Op's January 30, 1989 submittal, which included Chapter Three and its appendices.

UMC 784.13 Reclamation Plan: General Requirements - (BAS)

(b)(5)(ii) Pages 3-48, 3-80, and 3-82 state that seed mix selection will be based on land management agency requirements, UDWR recommendations, and slope steepness and exposure. Such statements must be replaced with a reference to the approved seed mixes in Chapter 9 (pages 9-21 through 9-23). The PAP must state that any changes in the approved seed mixes will first be cleared with the Division.

Table 3G-1 (Appendix 3G, page 3G-4) needs a few corrections. Please correct spelling for A. spicatum and Elymus salina. "Forbes" and "Clover crop" should be "Forbs" and "Cover crop", respectively. "Ladak alfalfa" is not a scientific name. Please provide scientific names for forbs and cover crop species. Please specify "lbs. PLS" in the column where seeding rate is identified.

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Memo to J. Whitehead
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February 14, 1989

UMC 817.116 Revegetation: Standards for Success - (BAS)

(b)(3) Page 3-87, paragraph 2, should be corrected to identify the levels of statistical significance specified by the Division for the various vegetation parameters, i.e., ground cover, 70 percent of reference area cover at 90 percent statistical confidence; productivity, 90/90; and woody plant density, 90/80.

On page 3-88, please replace the statement "Shrub density will be evaluated, based on the procedure described above." with "Shrub density data will be collected, using 1m. x 50 m. transects."

djh
AT66/1-2